Technical Parameter

Basic parameters	1.1	Manufacturer		Zowell	Zowell
	1.2	Model		VDA212S-45	VDA216S-45
	1.3	Wheelbase	mm	1646	1698
	1.4	Rated load	kg	1200	1600
	1.5	Load center	mm	550	600
	1.6	Operation mode		Stand	Stand
	1.7	Total weight (including battery)	kg	4900	5450
Tyre	2.1	Tyres type		PU	PU
	2.2	Front wheel size	mm	φ140x100	φ140x127
	2.3	Drive wheel size	mm	φ380x165	φ380x165
	2.4	Wheel quantity(X=drive wheel)		1x/4/2	1x/4/2
Vehicle size	3.1	Lifting height	mm	2500-7500	2500-9500
	3.2	Overhead guardrail height	mm	2260	2260
	3.3	Minimum ground clearance	mm	50	50
	3.4	Overall length（fork Side)	mm	2900/3760	2951/3920
	3.5	Overall width（with guide wheels）	mm	1450	1550
	3.6	Fork specification	mm	1100/122/45	1200/122/50
	3.7	Fork specification	mm	425-750	425-750
	3.8	Min turning radidus	mm	1962	2014
	3.9	Min main aisle width	mm	3700	3800
	3.10	Min Aisle width	mm	1550	1650
Parameters	4.1	Driving speed Loaded/unloaded	km/h	7/8	7/8
	4.2	Lifting height loaded /unloaded	mm/s	250/300	250/300
	4.3	Lowering speed loaded/unloaded	mm/s	300/300	300/300
	4.4	Braking		Electromagnetic braking / Regenerative braking	Electromagnetic braking / Regenerative braking
	4.5	Parking		Regenerative braking	Regenerative braking

1：The parameters listed in the above table are for reference only, and details are subject to actual conditions; If you need non-standard customization, please contact us;
2：Our company reserves the right to modify the parameters listed in the above table!
3：VDA212 optional height:5.0m, 5.5m, 6.0m, 6.5m, 7.0m, 7.5m　　VDA216 optional height:4.5m, 5.0m, 5.5m, 6.0m, 6.5m, 7.0m, 7.5m ,8.0m, 8.5m, 9.0m,9.5m.

VDA212/ VDA212S负载曲线

额定载荷 (kg)	载荷中心 (mm)		
	550	600	650
7500	750	650	580
7000	800	710	630
6500	900	795	680
6000	950	850	740
5500	1000	900	780
5000	1030	945	840
4500	1200	1100	950
4000	1200	1100	1015
3500	1200	1100	1015

VDA216/ VDA216S负载曲线

额定载荷 (kg)	载荷中心 (mm)		
	600	650	700
9500	500	450	/
9000	600	540	/
8500	700	630	/
8000	800	720	/
7500	900	810	740
7000	1025	900	825
6500	1100	990	900
6000	1200	1050	990
5500	1350	1175	1070
5000	1400	1265	1150
4500	1500	1350	1230
4000	1600	1440	1320

Zowell
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Zowell
Electric Industrial Truck Leader



VDA Series

Man Down Three Way Forklift

www.zowellforklifts.com

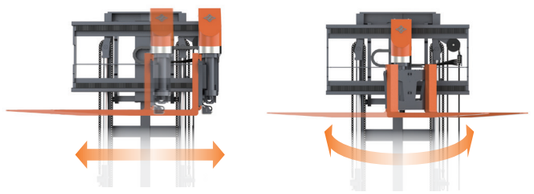
Very Narrow Aisle

Man Down Three Way Forklift

Zowell new generation man down three way electric forklift is a forklift suitable for narrow aisle stacking operations, lift height 2.5-9.5m. Adopting electric fork, more energy-efficient, higher work efficiency, and multiple active safety protections for the forklift ,a comfortable operating environment, a wide range of optional configurations, and the narrowest working aisle is only 1.55m, can quickly help enterprises improve their storage volume ratio.



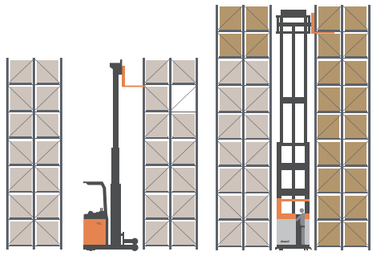
Multi mode fork
More fexible for narrow aisle storage



Fork Side Shift　　Fork Turning

By side shifting and ratating the forks, the stacking of both sides can be completed without changing the direction of forklift, which greatly improves the work efficiency.

Aisle demand reduced by more than 50% compared to traditional forklifts



■Normal reach truck
Working aisle ≥3000mm

■VDA212
Working aisle =1550mm

More shelves can be placed in the same warehouse, resulting in a 65% increase in warehouse storage ratio

Multifunction

Storage is More Convenient

Operating cab (standard)

❶ HD display



Electric power steering, more energy-saving; adjustable steering force, more intuitive driving experience.

❷ Operation steering wheel
❸ Fork operating handle
❹ Fork lifting handle
❺ Forward/ backward
❻ Emergency stop switch
❼ Horn/Packing/lighting switch
❽ Electronic code lock
❾ High definition display screen
❿ Accelerator pedal, brake pedal
⓫ Side pull battery



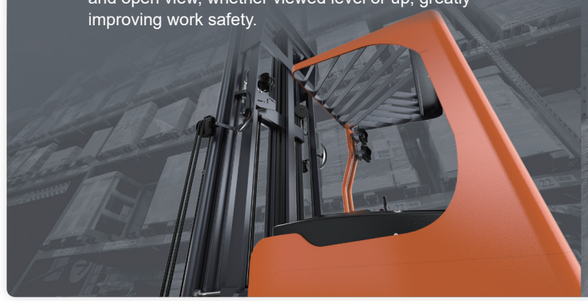
Option and expansion

Select other functions according to actual needs, such as fork upper camera , Automatic battery water replenishment,pre-height selection and so on. Choosing the right one is the best!

Safer Working, More Confident Driving

1 Reinforced and sturdy roof protection mast for better visibility

Not only enhances the load capacity of the overhead guard, but also ensures that the top view is not obstructed,cooperate with an open operating cab to achieve a comprehensive and open view, whether viewed level or up, greatly improving work safety.



2 Fork monitoring camera+cross laser

By using horizontal laser and forklift monitoring camera, the height and position of the forklift can be determined, making it easier for the driver to observe the condition of the fork.

